| Index | of Claims |
|-------|-----------|
|       |           |

| Applicati n N . | Applicant(s) |
|-----------------|--------------|
| 10/065,460      | SAIA ET AL.  |
| Examiner        | Art Unit     |
| Daniel St.Cyr   | 2876         |

| Rejected | ı | (Thr ugh numeral)<br>Canc lled |
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| Allowed  | + | Restricted                     |

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|       | Interference |

| Α | Appeal   |
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|-------------|-------------|----------|--|--|--|--|--|--|----------|---|---|-------|-------------------|----------|----------|--|----------|----------|----------|----------|
| Cla         | aim         |          |  |  | 1  | Date   | e  |  |          |   |   | Cla   | im_               |          |          |  | -        | Date     | e -      | _        |
| Final       | Original    | 6/18/04  |  |  |  |  |  |  |          |   |   | Final | Original          | 6/18/04  |          |  |          |          |          |          |
| 1           | <b>(17)</b> | =        | <del>                                     </del> |  |  |  |  | $\vdash$   |          |   |   | 51    | 51                | -        |          | $\vdash$   |          | $\vdash$ |          | r        |
| 2           | 2           |          |  |  |  |  |  |  |          |   |   | 52    | 52<br><b>63</b> ) |          |          |  |          |          |          | Γ        |
| 3           | 3           |          |  |  | 1  |  |  |  |          |   |   | 53    | <b>6</b> 3)       |          |          |  |          |          |          | Γ        |
| 4           | 4           |          |  |  | Г  | Γ  |  |  |          |   |   | 54    | 54                |          |          |  |          |          |          | Γ        |
| 5           | 5           |          |  |  |  |  |  |  |          |   |   | 55    | 55                |          |          |  |          |          |          | Γ        |
| 6           | 6           |          |  |  |  |  |  |  |          |   |   | 56    | 56                |          |          |  |          |          |          | Γ        |
| 7           | 7           |          |  |  |  |  |  |  |          |   |   | 57    | 57                |          |          | L  |          |          |          | Ĺ        |
| 8_          | 8           | L        | L  | L  |  |  | L  |  | Ш        |   |   | 58    | 58                |          |          | L  |          | L        |          | L        |
| 9           | 9           |          | L  | _  | _  |  | <u> </u>   | <u> </u>   | _        |   |   | 59_   | 59                |          |          | <u> </u>   |          | _        |          | L        |
| 10          | 10          | <u> </u> |  | <u> </u>   | L  | L  | _  | _  |          |   |   | 60    | 60)               |          |          |  |          |          |          | L        |
| 11          | 11          | _        | <u> </u>   | <u> </u>   | _  | L  |  | _  |          |   |   | 61    | 61                |          |          | L  |          |          |          | L        |
| 12          | 12          | _        | ļ.,  | _  | <u> </u>   | ļ  | ļ  | _  |          |   |   | 62    | 62                |          |          | <u> </u>   |          | _        |          | L        |
| 13          | 13          | _        | L  | ╙  | L.   | _  | <u> </u>   | <u> </u>   |          |   |   | 63    | 63                |          |          | _  |          | _        |          | L        |
| 14          | 14          |          | <u> </u>   | _  |  | <u> </u>   | <b> </b>   | _  | -        |   |   | 64    | 64                |          |          | <u> </u>   |          | _        |          | L        |
| 15          | 15          | _        | L  | <u> </u>   | ļ  | -  |  | <u> </u>   | H        | _ |   | 65    | 65                | _        |          | -  |          |          |          | ┞        |
| 16          | 16          | -        | ⊢  | ⊢  | ⊢  | ⊢  | -  | -  | -        | _ |   | 66_   | 66                | <u> </u> | H        | -  | _        | _        |          | H        |
| 17          | 17          | ⊢        | -  |  | ⊢  | ⊢  | -  | $\vdash$   |          | _ |   |       | 67                | _        | _        | _  |          |          |          | ┝        |
| 18          | 18          | -        | 1  | ┝  | ┢  | ⊢  | -  | ⊢  |          |   |   |       | 68<br>69          |          |          |  |          |          |          | ⊦        |
| 19<br>20    | 19          | ⊢        |  | -  | ⊢  | ⊢  | $\vdash$   | H  |          | _ |   |       | 70                |          | -        |  | $\vdash$ |          | -        | ┝        |
| 21          | 20          | -        | -  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | ├─   | _        | _ |   |       | 71                | _        |          |  | -        |          | -        | ⊦        |
| 22          | 22          | ├        |  | $\vdash$   | ┢  | $\vdash$   | $\vdash$   | ┢  |          | _ |   |       | 72                |          |          |  |          |          | _        | ┝        |
| 23          | 23          | ├        | -  | ⊢  | $\vdash$   | $\vdash$   | $\vdash$   | ┢  | _        | - |   |       | 73                |          | H        | _  |          |          |          | ┝        |
| 24          | 24          | $\vdash$ | -  |  | ╁╴   | $\vdash$   |  | <del> </del>                                     |          |   |   |       | 74                |          |          |  |          |          | -        | ┢        |
| 25          | 25          | $\vdash$ |  | <del>                                     </del> | <del>                                     </del> | -  | _  | Н  |          |   |   |       | 75                |          |          |  |          |          |          | H        |
| 26          | 26          | $\vdash$ |  | $\vdash$   | $\vdash$   | $\vdash$   | _  | $\vdash$   |          |   |   |       | 76                |          |          |  | -        | -        |          | H        |
| 27          | 27          |          |  | $\vdash$   | Г  |  |  |  |          |   |   |       | 77                |          |          |  |          |          |          | r        |
| 28          | 28          |          |  | Г  |  | Г  |  |  |          | _ | i |       | 78                |          |          |  |          |          |          | Γ        |
| 29          | 29          |          |  | П  | Г  | П  |  |  |          |   | İ |       | 79                |          |          |  |          |          |          | Г        |
| 30          | 30          | Τ        |  | Г  | Π  | П  |  |  |          |   | ĺ |       | 80                |          |          |  |          |          |          | Γ        |
| 31          | 31          |          |  |  |  |  |  |  |          |   |   |       | 81                |          |          |  |          |          |          |          |
| 32          | 32          |          |  |  |  |  |  |  |          |   |   |       | 82                |          |          |  |          |          |          |          |
| 33          | 33          |          | L  |  |  |  |  | L  |          |   |   |       | 83                |          |          |  |          |          |          | L        |
| 34          | 34          | 乚        | L  |  |  |  |  | <u> </u>   |          |   |   |       | 84                |          |          |  | L        |          |          | L        |
| 35          | 35          | _        | _  | <u> </u>   | <u> </u>   | <u> </u>   | <b> </b>   | <u> </u>   | Ш        |   |   |       | 85                |          | _        | _  | _        | _        | _        | L        |
| 36          | 36          | _        | _  | <u> </u>   | <u> </u>   | ļ  | _  | _  |          |   |   |       | 86                |          |          |  | _        |          |          | L        |
| 37          | 37          |          | L  | _  | <u> </u>   |  |  | <u> </u>   |          |   |   |       | 87                |          |          |  | $\vdash$ |          | -        | ┞        |
| 38          | 38          | _        | _  | _  |  | ⊢  | <u> </u>   | -  |          |   |   |       | 88                |          |          | <u> </u>   | <u> </u> |          | -        | ┞        |
| 39          | 39          | ⊢        |  | _  | -  | ⊢  | ⊢  | H  | -        | _ |   |       | 89                |          | _        |  | $\vdash$ |          | -        | ┞        |
| 40          | 40<br>41    | -        |  | <del>                                     </del> | $\vdash$   | $\vdash$   | -  | ├  | -        | - |   |       | 90<br>91          |          | _        | -  | $\vdash$ | $\vdash$ | -        | $\vdash$ |
| 42          | 42          | $\vdash$ | ├  | ├  | ⊢  | ┝  |  | -  | -        |   |   |       | 92                |          |          |  |          |          | -        | ┝        |
| 43          | 43          | -        | $\vdash$   | $\vdash$   | $\vdash$   | ╫  | <del>                                     </del> | $\vdash$   | H        |   |   |       | 93                |          | $\vdash$ | $\vdash$   | $\vdash$ |          | $\vdash$ | H        |
| 44          | 44          | $\vdash$ | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   |  | $\vdash$   | $\vdash$ | _ |   | -     | 94                | H        | -        | <u> </u>   | Н        | $\vdash$ | H        | H        |
| 45          | 45          | _        | т  | $\vdash$   | -  | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$ | _ |   |       | 95                |          | _        | <del>                                     </del> | ┢        | <u> </u> | 一        | T        |
| <b>46</b> ) | 46          | _        | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |  | $\vdash$   | Н        |   |   |       | 96                |          | $\vdash$ | <del>                                     </del> | $\vdash$ |          |          | Γ        |
| <b>बिं</b>  | 47          | T        | T -  | Г  |  | Т  |  | <del>                                     </del> |          |   |   |       | 97                |          |          | Г  | ┈        | ļ —      |          | Γ        |
| 48          | 48          | Т        | T  | <del>                                     </del> | 1  | $I^-$  |  | 一  |          | _ |   |       | 98                |          |          |  | Т        |          |          | Γ        |
| 49          | 49          | Г        |  | T  | 1  | Γ  |  |  |          |   |   |       | 99                |          |          |  |          | Г        |          | Γ        |
| 50          | 50          | =        |  |  |  |  |  |  |          |   |   |       | 100               |          |          |  |          |          |          | Γ        |
|             |             | -        |  |  |  |  |  |  |          |   |   |       |                   |          |          |  |          |          |          | _        |

|          |                   |          |          |  |              |          |          | _        |          |          |  |  |  |
|----------|-------------------|----------|----------|--|--------------|----------|----------|----------|----------|----------|--|--|--|
|          | -1                | Date     |          |  |              |          |          |          |          |          |  |  |  |
|          | aim               | <u> </u> |          | r—   |              | Jati     | =        |          | _        |          |  |  |  |
| Final    | Original          | 6/18/04  |          |  |              |          |          |          |          |          |  |  |  |
| 51       | 51                | u        |          |  |              |          |          |          |          |          |  |  |  |
| 52       | 52                |          |          |  |              |          |          |          |          |          |  |  |  |
| 53       | 52<br><b>6</b> 3) |          |          |  |              |          |          |          |          |          |  |  |  |
| 54       | 54                |          |          |  |              |          |          |          |          |          |  |  |  |
| 55       | 55                |          |          |  |              |          |          |          |          |          |  |  |  |
| 56       | 56                |          |          |  |              |          |          |          |          |          |  |  |  |
| 57       | 57                |          |          |  |              |          |          |          |          | _        |  |  |  |
| 58       | 58<br>59          |          |          | L  |              |          |          |          |          | L        |  |  |  |
| 59       | 59                |          |          | L  | _            |          |          |          |          | L        |  |  |  |
| 60       | 60)               |          |          |  |              |          |          |          | _        |          |  |  |  |
| 61       | 61                |          |          | L  |              |          |          |          |          | _        |  |  |  |
| 62       | 62                |          | _        |  |              | _        |          |          |          | <u> </u> |  |  |  |
| 63       | 63<br>64<br>65    |          | <u> </u> | $\vdash$   | H            | <u> </u> | L        | $\vdash$ | <u> </u> | -        |  |  |  |
| 64       | 64                | <u> </u> | $\vdash$ | ⊢  | H            | Ь.       | <u> </u> | $\vdash$ | $\vdash$ | $\vdash$ |  |  |  |
| 65       | 65                | _        |          | -  |              |          |          | $\vdash$ |          | ┝        |  |  |  |
| 66_      | 66<br>67          | n        | ⊢        |  | -            | <u> </u> |          |          |          | -        |  |  |  |
|          | 68                | _        | _        | $\vdash$   |              |          | $\vdash$ | -        | -        | ├        |  |  |  |
|          | 60                |          |          | _  | H            |          |          |          | $\vdash$ | ⊢        |  |  |  |
|          | 69<br>70          |          | ┝        |  | H            |          |          | -        | -        |          |  |  |  |
|          | 71                | _        |          | <del></del>                                      |              |          |          |          | $\vdash$ | $\vdash$ |  |  |  |
|          | 72                |          |          |  |              |          | $\vdash$ | -        |          | $\vdash$ |  |  |  |
|          | 72<br>73          |          |          |  | _            |          |          |          |          | $\vdash$ |  |  |  |
|          | 74<br>75          |          |          |  |              |          |          |          |          |          |  |  |  |
|          | 75                |          |          |  |              |          |          |          |          |          |  |  |  |
|          | 76                |          |          |  |              |          |          |          |          |          |  |  |  |
|          | 77<br>78          |          |          |  |              |          |          | <u></u>  |          | <u> </u> |  |  |  |
|          | 78                |          | _        | lacksquare                                       |              |          | L        | L.       | 匚        | L        |  |  |  |
| L        | 79                |          | _        | lacksquare                                       | $oxed{oxed}$ |          | <u> </u> | <u> </u> |          | <u> </u> |  |  |  |
|          | 80                |          | <u> </u> | ⊢  | $\vdash$     | $\vdash$ | <u> </u> | <u> </u> |          | <u> </u> |  |  |  |
| <u> </u> | 81                |          | _        | _  | ┝            | ⊢        | _        | <u> </u> | ┝        | ┝        |  |  |  |
| -        | 82<br>83          | _        |          |  | -            |          | -        | -        | -        | -        |  |  |  |
| -        | 84                | _        | -        | -  | ├            | <u> </u> | $\vdash$ | -        |          | ├        |  |  |  |
|          | 85                |          | $\vdash$ | <del> </del>                                     | $\vdash$     |          | $\vdash$ | $\vdash$ | $\vdash$ |          |  |  |  |
| $\vdash$ | 86                |          | $\vdash$ | $\vdash$   | $\vdash$     | _        | $\vdash$ | -        | $\vdash$ | $\vdash$ |  |  |  |
|          | 87                |          |          |  | $\vdash$     | $\vdash$ |          |          |          |          |  |  |  |
|          | 88                |          |          |  | Г            |          | Г        |          |          |          |  |  |  |
|          | 89                |          |          |  |              |          |          |          |          | Г        |  |  |  |
|          | 90                |          |          |  |              |          |          |          |          |          |  |  |  |
|          | 91                |          |          |  |              |          |          |          |          |          |  |  |  |
|          | 92                |          | $\Box$   | $\sqsubseteq$                                    |              |          |          | L        |          |          |  |  |  |
|          | 93                |          | L        | <u> </u>   | <u>L</u>     | <u> </u> | _        | _        | _        | <u> </u> |  |  |  |
|          | 94                |          |          | <u> </u>   | L.           | L        | L        | _        |          | ldash    |  |  |  |
|          | 95                |          | $\vdash$ | <u> </u>   | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | _        | $\vdash$ |  |  |  |
|          | 96                |          | $\vdash$ | ⊢  | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | _        | <u> </u> |  |  |  |
| <u> </u> | 97                | <u> </u> | L        | ⊢  | $\vdash$     | H        | <u> </u> |          | _        | <u> </u> |  |  |  |
|          | 98                |          | $\vdash$ | <del>                                     </del> | H            | $\vdash$ | -        | -        | <u> </u> | $\vdash$ |  |  |  |
|          | 99                |          | ⊢        |  | $\vdash$     | $\vdash$ | $\vdash$ | -        | -        | -        |  |  |  |

| Cla   | aim        |   |   |          | [        | Date     | e        |          |          |          |
|-------|------------|---|---|----------|----------|----------|----------|----------|----------|----------|
|       |            |   |   |          | Г        | П        |          |          |          |          |
| al    | Original   |   |   |          |          |          |          |          |          |          |
| Final | rig        |   |   |          |          |          |          |          |          |          |
|       | 0          |   |   |          |          |          |          |          |          |          |
|       | 101        | _ |   | $\vdash$ |          | $\vdash$ | _        |          | _        | Н        |
|       | 101<br>102 |   |   |          | -        |          |          |          |          | Н        |
|       | 103        |   |   |          | _        | Н        | Т        |          |          | Н        |
|       | 104        | _ |   |          |          | _        |          | _        |          | $\vdash$ |
|       | 104<br>105 |   |   | H        |          |          | -        |          |          | Н        |
|       | 106        |   |   | H        |          |          | H        |          |          | Н        |
|       | 107        |   |   |          |          |          |          |          |          | Н        |
|       | 107<br>108 |   |   | _        | _        |          |          |          |          | П        |
|       | 109        |   |   |          |          |          | Т        |          |          | Н        |
|       | 110        |   | _ |          |          |          |          |          |          | П        |
|       | 110<br>111 |   |   |          |          |          |          |          |          | П        |
|       | 112        |   |   | ı        | П        |          |          |          |          | Н        |
|       | 113        |   |   | Г        | Т        | Т        |          | $\vdash$ | Т        | Н        |
|       | 114        |   |   | Н        | $\vdash$ | $\vdash$ | _        |          | $\vdash$ | H        |
|       | 115        |   | _ | $\vdash$ | Н        | -        |          |          | $\vdash$ | Н        |
|       | 116        |   |   | H        |          |          |          |          | $\vdash$ | Н        |
|       | 117        |   |   |          | _        | _        |          |          | $\vdash$ | Н        |
|       | 118        |   |   |          |          |          |          |          |          | H        |
|       | 119        |   | _ | _        |          | _        | $\vdash$ | _        |          | -        |
|       | 120        | _ |   | Т        | Т        | _        | -        | -        |          | Н        |
|       | 121        |   |   |          |          |          |          |          |          | Н        |
|       | 121<br>122 | _ |   |          |          |          |          |          |          | П        |
|       | 123        |   |   | $\vdash$ |          | $\vdash$ |          |          |          | Н        |
|       | 124        | _ | Т |          | _        |          | $\vdash$ |          |          | Н        |
|       | 124<br>125 |   |   |          | $\vdash$ |          |          |          |          |          |
|       | 126        |   |   |          |          |          |          |          | _        |          |
|       | 127        |   |   |          | Г        |          |          |          | _        | П        |
|       | 127<br>128 | _ | Т | $\vdash$ | $\vdash$ |          | _        |          | _        | П        |
|       | 129        |   |   |          |          |          | -        |          |          | П        |
|       | 130        |   |   |          | $\vdash$ |          | -        | _        |          | П        |
|       | 131        |   |   | $\vdash$ | $\vdash$ |          | $\vdash$ |          |          | П        |
|       | 132        |   |   |          |          |          |          |          |          |          |
|       | 133        |   |   |          |          |          |          |          | _        |          |
|       | 134        |   |   |          |          |          |          |          |          | П        |
|       | 135        |   |   |          | Г        | Г        |          |          |          | П        |
|       | 135<br>136 |   |   |          |          |          |          |          |          |          |
|       | 137        |   |   |          |          |          |          |          |          |          |
|       | 138        |   |   |          |          |          |          |          |          |          |
|       | 139        |   |   |          |          |          |          |          |          |          |
|       | 140        |   |   |          |          |          |          |          |          |          |
|       | 141        |   |   |          |          |          |          |          |          |          |
|       | 142        |   |   |          |          |          |          |          |          |          |
|       | 143        |   |   |          |          |          |          |          |          |          |
|       | 144        |   |   |          |          |          |          |          |          |          |
|       | 145        |   |   |          |          |          |          |          |          |          |
|       | 146        |   |   |          |          |          |          |          |          |          |
|       | 147        |   |   |          |          |          |          |          |          |          |
|       | 148        |   |   |          |          |          |          |          |          |          |
|       | 149        |   |   |          |          |          |          |          |          |          |
|       | 150        |   |   |          |          |          |          |          |          |          |
|       |            |   | _ | _        |          |          |          |          |          | _        |